Binary search

class Solution(object):

def search(self, nums, target):

"""

:type nums: List[int]

:type target: int

:rtype: int

"""

start = 0

end = len(nums)-1

while start <=end:

pivot = start + (end - start)//2

if nums[pivot] == target:

return pivot

if target < nums[pivot]:

end = pivot - 1

else:

start = pivot + 1

return -1